

**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**WRAD (AM) RADIO STATION**  
**1460 kHz - 0.037/5.0 kW - ND**  
**RADFORD, VIRGINIA**  
**April 2014**

This Technical Exhibit supports the application by Cumulus Licensing, LLC ("Cumulus"), licensee of AM station WRAD, 1460 kHz, Radford, Virginia, to make minor changes to WRAD. WRAD is presently authorized to operate with 0.5 kilowatt during nighttime hours with a directional antenna system and 5.0 kilowatts non-directionally during daytime hours. Cumulus proposes to modify the nighttime operation of WRAD to eliminate the directional operation and use the daytime non-directional antenna during nighttime hours. In addition, a slight correction of coordinates for the WRAD daytime operation is necessary to eliminate the center of array coordinates. No actual changes to the site, antenna structures, or city of license are proposed.

The proposed tower is a single vertical, uniform cross-section, guyed steel tower and has been registered with the FCC and assigned Antenna Structure Registration Number 1016734. Although there are no structural changes to this tower and the other tower of the array will be dismantled, the FAA has been notified of the correction to the tower coordinates. Upon receipt of the expected Determination of No Hazard from the FAA the ASRN will be modified. Cumulus proposes to decrease the nighttime transmitter power of WRAD.

Although there is no change to the physical WRAD antenna system used during daytime hours; a correction of coordinates from North Latitude 37° 08' 35", West Longitude 80° 34' 38"

to North Latitude: 37° 08' 34", West Longitude: 80° 34' 38". This correction is necessary to adjust the coordinates away from the 'center of the array'.

Since there is no actual construction of the facility, no site photographs or property plat are submitted with this application. These details can be found in the WRAD FCC's Station File.

There are no AM broadcast facilities within 3.0 kilometers of the proposed/existing WRAD transmitter site. Within 10.0 kilometers, there are several FM and television proposals or licenses (Exhibit #1H).

The present and proposed nighttime 1000 mV/m and nighttime interference free contour ("NIFC"), 5.0 mV/m is shown in Exhibits#1A through #1C. As a Class D facility, the NIFC is not required to provide service to the city of Radford, Virginia.

A waiver of the "Ratchet Rule" (§73.182) during nighttime operation is respectfully requested.

We have tried to be as accurate as possible in the preparation of this application. All information contained in this application was extracted from the CDBS database. We assume no liability for omissions or errors in this source. Should there be any questions concerning the information contained herein, we welcome the opportunity to discuss the matter by phone at 912-638-8028 or by email at [rsg@grahambrock.com](mailto:rsg@grahambrock.com).